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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/138,378

08/24/1998

SHIGEKI HAMURA

1046.1188/JD

4007

21171

7590

05/05/2004

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EXAMINER

GARCIA, GABRIEL I

ART UNIT

PAPER NUMBER

2624

DATE MAILED: 05/05/2004

2A

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09138,378

Applicant(s)

Hamura

Examiner

H. Garcia

Art Unit

2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE three MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 2/17/04.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 4, 5, 9, 10, 15, 19, 20, 24, 25 and 30 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) 4, 5, 9, 10, 19, 20, 24, 25 and 30 is/are allowed.
- 6) ☒ Claim(s) 15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____ 6) ☐ Other: _____

Art Unit: 2624

DETAILED ACTION

1. This application has been examined. This office action is in response to the request filed on for a Continued Examination (RCE) under 35 CFR 132(d) based on parent Application No. 09/138,378 is acceptable and a RCE has been established. An action on the RCE follows. The supplemental amendment filed on 2/17/04. Claims 4,5,9,10,15,19,20,24,25 and 30 are pending in this application. This application has been examined. This office action is in response to the amendment filed 6/30/03.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

3. Claim 15 is rejected under 35 U.S.C. 102(e) as being anticipated by Motamed et al. (5,687,303).

With regard to claim 1, Motamed et al teaches a method of processing print data to be printed on one page, the print data being received from a host computer and comprising a plurality of different types of data (see abstract), the method comprising: separating the print data into separate sets of data according to the different types of data (e.g. being done by the interface 1610

Art Unit: 2624

of fig. 3, the data is separated into different data types); storing each separate set of data in a different storage location (see fig. 3, items 1620,1622,1624,1626), reading each one of the separate sets of data (see fig. 5); applying a different image process to each one of the read separate sets of data (see abstract and fig. 33b); and outputting the processed print data on one page; wherein the image process applied is respectively one of high resolution process (e.g. halftoning) and/or run length decompression (see fig. 33b).

Conclusion

4. The following is an examiner's statement of reasons for allowance: Claims 4,5,9,10,19,20,24,25 and 30 are being allowed over the prior art of record. The prior art of record such as Motamed et al '303 teaches that it is well known in the art to process data by separating data into different data types and applying different processes to the data types (see fig. 3), but the prior art of record fails to teach, or suggest the claimed limitations of (in combination with all other features in the claims) a printer or controller, wherein the plurality of separate sets of data stored in the image buffer are obtained by dividing the print data to be printed on one page into a plurality of bands, each of the bands corresponding to one of the different types of data, and wherein the form data integration circuit alternately selects the separate set of data read by each of the video interfaces and outputs the selected set of the data to the output mechanism.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

Art Unit: 2624

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gabriel I. Garcia whose telephone number is (703) 305-8751. The examiner can normally be reached Monday thru Thursday from 7:30AM-6:00PM.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 306-0377.

Any response to this action could be fax to:

(703) 872-9306 (official or unofficial)

Gabriel I. Garcia
Primary Examiner
April 30, 2004



GABRIEL GARCIA
PRIMARY EXAMINER